

"PATENT"

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of Angela J. Keeney, et al. U. S. Serial No. 10/678,468 Filed: October 3, 2003 HIGH VISCOSITY INDEX WIDE- TEMPERATURE FUNCTIONAL FLUID COMPOSITIONS AND METHODS FOR THEIR MAKING AND USE	<ul> <li>Before the Examiner</li> <li>Not Assigned</li> <li>Group Art Unit 1764</li> <li>Confirmation No. 3346</li> <li>Family No: P2002J112 US2</li> </ul>
Commissioner for Patents P. O. Box 1450 Alexandria, Virginia 22313-1450	
Sir:	

## INFORMATION DISCLOSURE STATEMENT

Applicants herewith submit an IDS for this application submitted before the first office action.

In this IDS, Applicants have submitted five pieces of prior art in foreign languages: FR 2805542, FR 2805543, SU 1696391, WO 01/64339, and WO 01/18156.

In compliance with MPEP §609IIIA(3), Applicants note that there is an English Abstract on the front page of WO 01/64339 and WO 01/18156 and rely upon that as the Applicant's concise explanation in compliance with MPEP §609IIIA(3). For the other three documents, Applicants respectfully submit copies of abstracts produced in English (noting the source of each) as their concise explanation in compliance with MPEP §609IIIA(3).

I hereby certify that I have a reasonable basis for believing that this correspondence will be deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. August 18, 2004. Box 1450, Alexandria, Virginia 22313-1450, on Date of Deposit August 18, 2004 Date of Signature Susan Fleming Signature Name of attorney or agent

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PATENT TRADEMARK OFFICE

U.S. Serial No. 10/678,468 Family Number: P2002J112 US2

Applicants respectfully submit that these actions fulfill their duties for providing a concise explanation of prior art provided in a foreign language. If there is any question or concern, please feel free to contact me at (908) 730-3644.

Respectfully submitted,

NORBY L. FOSS

Attorney for Applicant(s) Registration No. 47,571

Telephone No. (908) 730-3644

ExxonMobil Research and Engineering Company P. O. Box 900 Annandale, New Jersey 08801-0900 NLF:sbf August 16, 2004

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## AMENDMENT TRANSMITTAL FORM

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INITIAL			7/22/41	Van Peski	260	676		
	AA	2,250,410	1/16/73	Estes	208	112		
	AB	3,711,399	6/27/78	Egan	208	111		
	AC	4,097,364	1/1/80	Yan et al.	208	46		
	AD	4,181,597	6/15/82	Bowes et al.	252	450		
	AE	4,335,019	3/22/83	Shihabi	208	111		
	AF	4,377,469	6/14/83	Bowes et al.	208	111		
	AG	4,388,177	9/6/83	Shihabi	252	455		
	AH	4,402,800	2/14/84	Baird et al.	208	111		
	AI	4,431,517	2/14/84	Nevitt et al.	208	111		

## FOREIGN PATENT DOCUMENTS

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AO	FR 2805542	31/08/01	France	C10G	69/02	Abstract	<u> </u>
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OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)

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	AS	4,431,527	2/14/84	Mille	er et al.	208		254		
	АТ	4,436,614	3/13/84	Olbr	ich et al.	208		89		
	AU	4,460,698	7/17/84	Hens	sley, Jr. et al.	502		66		
	AV	4,483,764	11/20/84	Hen	sley, Jr. et al.	208		111		
	AW	4,510,045	4/9/85	Des	sau	208		111		
	AX	4,568,449	2/4/86	Ang	morter et al.	208		215		
	AY	4,594,146	6/10/86	Che	ster et al.	208		111		
	AZ	4,684,756	8/4/87	Der	r, Jr. et al.	585		330		
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	AM	5,146,022	9/8/92	<del> </del>	ichanan et al.	585	;	7			
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		5,516,736	5/14/96	Chang et al.		502		64		
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	AA	5,689,031	11/18/97	Berlowitz et	al.	585		734		
	AC	5,730,858	3/24/98	Olivier et al.		208		28		
			6/15/99	Cody et al.		208	3	87		
	+	AD 5,935,417 8/10/99		Cody et al.		208	3	87		
	AF 5,993,644 11/30/99		11/30/99	Xiao et al.		20	8	89		
	AG	6,013,171	1/11/00	Cook et al.		20	8	27		
	AH	6,051,129	4/18/00	Harris et al.		20	8	138		
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	AO	6,096,189	8/1/00	Cody et al.		208	-\-	37			
	AP	6,179,994	1/30/01	Clark et al.			208		27		
	AQ	6,190,532	2/20/01	Deg	nan et al.		208		27		
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	AG	4,601,993	7/22/86	Chu et al		502	66			
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	AJ	4,992,159	2/12/91	Cody et	al.	208	89			
	AK	5,158,671	10/27/92	Cody et	al.	208	264			
	AL	5,246,566	9/21/93	Miller		208	27			
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